## BRUHATH BANGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE, BYATRAYANAPURA DIVISION

**Name of Work: Construction of compound to Division office building in ward no 08, kodigehalli**

**Ward No. 8** **Est. Cost Rs. : 2500000.00**

| Sl. No. | Description | Unit | No. | L (m) | B (m) | D/H (m) | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (P-6, I-2.4, PWDSR 2018-19) | | | | | | | | |
| | Compound wall - division office | cum | 1 | 59.90 | 0.90 | 0.90 | 48.51 | | |
| | Compound wall - park | cum | 1 | 8.80 | 0.90 | 0.90 | 7.12 | | |
| | For electric chage point wall | cum | 1 | 8.00 | 0.90 | 1.50 | 10.80 | | |
| | For debris clearance- park | cum | 1 | 14.80 | 37.00 | 0.30 | 164.28 | | |
| | | cum | 1 | 22.00 | 31.20 | 0.30 | 205.92 | | |
| | For chainlink fencing - park | cum | 1 | 117.80 | 0.90 | 0.30 | 31.80 | | |
| | CC drain | Cum | 1 | 71.00 | 1.10 | 1.20 | 93.72 | | |
| | | | | | | | 468.43 | 484.92 | 227151.00 |
| | Basic Rate | 449.00 | | | | | | | |
| | Area Weightage @ 8% | 35.92 | | | | | | | |
| | Total | 484.92 | | | | | | | |
| 2 | Providing and laying in position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.13, I.No.4.3 of PWDSR 2018-19) | | | | | | | | |
| | Compound wall - division office | cum | 1 | 59.90 | 0.90 | 0.15 | 8.08 | | |
| | Compound wall - park | cum | 1 | 8.80 | 0.90 | 0.15 | 1.18 | | |
| | For electric chage point wall | cum | 1 | 8.00 | 0.90 | 0.15 | 1.08 | | |
| | CC drain | cum | 1 | 71.00 | 1.10 | 0.15 | 11.71 | | |
| | | cum | | | | | 22.05 | 5510.16 | 121499.00 |
| | Basic Rate | 5102.00 | | | | | | | |
| | Area Weightage @ 8% | 408.16 | | | | | | | |
| | Total | 5510.16 | | | | | | | |
| 3 | Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1: 6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.( P.No.25, I No.5.6, PWDSR 2018-19) | | | | | | | | |
| | Compound wall - division office | cum | 1 | 59.90 | 0.90 | 0.75 | 40.43 | | |
| | Compound wall - park | cum | 1 | 8.80 | 0.90 | 0.75 | 5.94 | | |
| | For electric chage point wall | cum | 1 | 8.00 | 0.90 | 0.75 | 5.40 | | |
| | | | | | | | 51.77 | 4963.68 | 256970.00 |
| | Basic Rate | 4596.00 | | | | | | | |
| | Area Weightage @ 8% | 367.68 | | | | | | | |
| | Total | 4963.68 | | | | | | | |
| 4 | Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. ( P No.25, I No.5.9, PWDSR 2018-19) | | | | | | | | |

| Sl. No. | Description | Unit | No. | L (m) | B (m) | D/H (m) | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| | Compound wall - division office | cum | 1 | 59.90 | 0.45 | 0.45 | 12.12 | | |
| | Compound wall - park | cum | 1 | 8.80 | 0.45 | 0.45 | 1.78 | | |
| | For electric chage point wall | cum | 1 | 8.00 | 0.45 | 0.45 | 1.62 | | |
| | | | | | | | 15.52 | 5921.64 | 91904.00 |
| | Basic Rate | 5483.00 | | | | | | | |
| | Area Weightage @ 8% | 438.64 | | | | | | | |
| | Total | 5921.64 | | | | | | | |
| 5 | Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work..(P No.115, I No.15.3, PWDSR 2018-19) | | | | | | | | |
| | Compound wall - division office | cum | 2 | 59.90 | | 0.45 | 53.91 | | |
| | Compound wall - park | cum | 2 | 8.80 | | 0.45 | 7.92 | | |
| | For electric chage point wall | cum | 2 | 8.00 | | 0.45 | 7.20 | | |
| | Sub Total | sqm | | | | | 69.03 | 153.36 | 10586.00 |
| | Basic Rate | 142.00 | | | | | | | |
| | Area Weightage @ 8% | 11.36 | | | | | | | |
| | Total | 153.36 | | | | | | | |
| 6 | Providing and laying in position reinforced cement concrete of mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (P.No.14, I.No.4.12, PWDSR 2018-19) | | | | | | | | |
| | For basement coping | | | | | | | | |
| | Compound wall - division office | cum | 1 | 59.90 | 0.45 | 0.15 | 4.04 | | |
| | Compound wall - park | cum | 1 | 8.80 | 0.45 | 0.15 | 0.59 | | |
| | For electric chage point wall | cum | 1 | 8.00 | 0.45 | 0.15 | 0.54 | | |
| | For wall top coping | | | | | | 0.00 | | |
| | Compound wall - division office | cum | 1 | 59.90 | 0.20 | 0.10 | 1.19 | | |
| | Compound wall - park | cum | 1 | 8.80 | 0.20 | 0.10 | 0.17 | | |
| | For electric chage point wall | cum | 1 | 8.00 | 0.20 | 0.10 | 0.16 | | |
| | | | | | | | 6.69 | 6528.60 | 43676.00 |
| | Basic Rate | 6045.00 | | | | | | | |
| | Area Weightage @ 8% | 483.60 | | | | | | | |
| | Total | 6528.60 | | | | | | | |
| 7 | KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm (PWD SR 2018-19 Page No. 27, item No. 5.26.1) | | | | | | | | |
| | Compound wall - division office | sqm | 1 | 59.90 | | 1.65 | 98.83 | | |
| | Compound wall - park | sqm | 1 | 8.80 | | 1.65 | 14.52 | | |
| | For electric chage point wall | sqm | 1 | 8.00 | | 2.40 | 19.20 | | |
| | | sqm | 1 | 8.00 | | 2.40 | 19.20 | | |
| | For intermediate column walls | | | | | | 0.00 | | |
| | Compound wall - division office | sqm | 20 | 0.40 | | 1.65 | 13.20 | | |
| | Compound wall - park | sqm | 3 | 0.40 | | 1.65 | 1.98 | | |
| | For electric chage point wall | sqm | 3 | 0.40 | | 2.40 | 2.88 | | |
| | | | | | | | 169.81 | 1038.96 | 176426.00 |
| | Basic Rate | 962.00 | | | | | | | |
| | Area Weightage @ 8% | 76.96 | | | | | | | |

| Sl. No. | Description | Unit | No. | L (m) | B (m) | D/H (m) | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| | Total | 1038.96 | | | | | | | |
| 8 | Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications etc., complete with all leads and lifts as per the directions of the Enginee-in-charge of the work. (PWDSR 2018-19, P-No: 34,Item No: 7.9) | | | | | | | | |
| | For Gates | sqm | 3 | 3.00 | | 2.10 | 18.90 | | |
| | | sqm | | | | | 18.90 | | |
| | @ 21 kg per sqm | kg | | | | | 396.90 | 102.60 | 40722.00 |
| | Basic Rate | 95.00 | | | | | | | |
| | Area Weightage @ 8% | 7.60 | | | | | | | |
| | Total | 102.60 | | | | | | | |
| 9 | Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2018-19, P. 115, item 15.11) | | | | | | | | |
| | Compound wall - division office | sqm | 2 | 59.90 | | 1.75 | 209.65 | | |
| | Compound wall - park | sqm | 2 | 8.80 | | 1.75 | 30.80 | | |
| | For electric chage point wall | sqm | 2 | 8.00 | | 2.50 | 40.00 | | |
| | For intermediate column walls | | | | | | 0.00 | | |
| | Compound wall - division office | sqm | 40 | 0.20 | | 1.65 | 13.20 | | |
| | Compound wall - park | sqm | 6 | 0.20 | | 1.65 | 1.98 | | |
| | For electric chage point wall | sqm | 6 | 0.20 | | 2.40 | 2.88 | | |
| | For top surface of wall | | | | | | 0.00 | | |
| | Compound wall - division office | sqm | 1 | 59.90 | | 0.20 | 11.98 | | |
| | Compound wall - park | sqm | 1 | 8.80 | | 0.20 | 1.76 | | |
| | For electric chage point wall | sqm | 1 | 8.00 | | 0.20 | 1.60 | | |
| | | | | | | | 313.85 | 208.44 | 65419.00 |
| | Basic Rate | 193.00 | | | | | | | |
| | Area Weightage @ 8% | 15.44 | | | | | | | |
| | Total | 208.44 | | | | | | | |
| 10 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. with primer (PWDSR 2018-19, P120, I 15.53.2) | | | | | | | | |
| | Qty vide item No. | sqm | 1 | | | | 313.85 | | |
| | | | | | | | 313.85 | 110.16 | 34574.00 |
| | Basic Rate | 102.00 | | | | | | | |
| | Area Weightage @ 8% | 8.16 | | | | | | | |
| | Total | 110.16 | | | | | | | |
| 11 | KSRB 14.6-2 :Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No. 103, I.No. 14.7 of CSR 2018-19) | | | | | | | | |

| Sl. No. | Description | Unit | No. | L (m) | B (m) | D/H (m) | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| | Chargepoint area around | sqm | 1 | 14.80 | 10.00 | | 148.00 | | |
| | | | | | | | 148.00 | 1198.80 | 177422.00 |
| | Basic Rate | 1110.00 | | | | | | | |
| | Area Weightage @ 8% | 88.80 | | | | | | | |
| | Total | 1198.80 | | | | | | | |
| 12 | Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.(PWDSR 2018-19, P.266, I. 37.4) | | | | | | | | |
| | Horizontal bars | Rm | 3 | 117.80 | | | 353.40 | | |
| | | | | | | | 353.40 | 440.64 | 155722.00 |
| | Basic Rate | 408.00 | | | | | | | |
| | Area Weightage @ 8% | 32.64 | | | | | | | |
| | Total | 440.64 | | | | | | | |
| 13 | Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting ( excluding cost of earthwork and concrete) (PWDSR 2018-19, P. 266, I. 37.2) | | | | | | | | |
| | Vertical bars | Rm | 48 | 1.80 | | | 86.40 | | |
| | | | | | | | 86.40 | 927.72 | 80155.00 |
| | Basic Rate | 859.00 | | | | | | | |
| | Area Weightage @ 8% | 68.72 | | | | | | | |
| | Total | 927.72 | | | | | | | |
| 14 | Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (PWDSR 2018-19, P. 266, I. 37.3) | | | | | | | | |
| | Chainlink | Sqm | 1 | 117.80 | | 1.65 | 194.37 | | |
| | | | | | | | 194.37 | 772.20 | 150093.00 |
| | Basic Rate | 715.00 | | | | | | | |
| | Area Weightage @ 8% | 57.20 | | | | | | | |
| | Total | 772.20 | | | | | | | |
| 15 | KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No.15, Item No. 4.31, PWD SR 2018-19) | | | | | | | | |
| | RCC drain | Sqm | | | | | | | |
| | | Sqm | 4 | 71.00 | | 0.90 | 255.60 | | |
| | | Sqm | | | | | 255.60 | 379.48 | 96995.00 |
| | Basic Rate | 358.00 | | | | | | | |
| | Area Weightage @ 6% | 21.48 | | | | | | | |
| | Total | 379.48 | | | | | | | |

| Sl. No. | Description | Unit | No. | L (m) | B (m) | D/H (m) | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| 16 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. (Page No. 18, Item No. 4.49.1, PWD SR 2018-19) | | | | | | | | |
| | bottom portion | Cum | | | | | | | |
| | | Cum | 1 | 71.00 | 0.90 | 0.15 | 9.58 | | |
| | side walls | Cum | | | | | 0.00 | | |
| | | Cum | 2 | 71.00 | 0.15 | 0.90 | 19.17 | | |
| | | Cum | | | | | 28.75 | 5770.64 | 165906.00 |
| | Basic Rate | 5444.00 | | | | | | | |
| | Area Weightage @ 6% | 326.64 | | | | | | | |
| | Total | 5770.64 | | | | | | | |
| 17 | KSRB 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Page No. 19, Item No. 4.46.2, PWD SR 2018-19) | | | | | | | | |
| | for concrete drain | | | | | | | | |
| | along the drain, 10mm dia bar | | | | | | | | |
| 1 | | kg | 16 | 70.80 | @ | 0.62 | 702.33 | | |
| | across the drain, 10mm dia bar | | | | | | 0.00 | | |
| 1 | | kg | 472 | 2.40 | @ | 0.62 | 702.33 | | |
| | | | | | | | 1404.66 | | |
| | | Tonne | | | | | 1.404 | 75255.76 | 105659.0 |
| | Basic Rate | 70996.00 | | | | | | | |
| | Area Weightage @ 6% | 4259.76 | | | | | | | |
| | Total | 75255.76 | | | | | | | |
| 18 | Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. - 100 mm thick (Approved data rate enclosed) | | | | | | | | |
| | over cc drain | Sqm | 1 | 71.00 | 0.90 | | 63.90 | | |
| | | | | | | | 63.90 | 2100.0 | 134190.00 |
| 19 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123) | | | | | | | | |
| | Qty vide item No. 3*0.85 | Cum | | | | | 398.17 | 87.56 | 34862.00 |
| | Basic rate for haulage of materials as per item no.17.4 page 136) Rs. 2.00 | | | | | | | | |
| | Average weight of earth 1.28 tonne / kg for 2.00X1.28X10.00 | 25.60 | | | | | | | |
| | Add loading and unloading Vide item no.17.1 P.no.134 | 57.00 | | | | | | | |

| Sl. No. | Description | Unit | No. | L (m) | B (m) | D/H (m) | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | 82.60 | | | | | | | |
| | Area Weightage @ 6% | 4.96 | | | | | | | |
| | Total | 87.56 | | | | | | | |
| | | | | | | | | | |
| 20 | Sub-Total | | | | | | | | **2169931.00** |
| | | | | | | | | | |
| 21 | Electrical work | | | | | 3.00 | % | | 65098.00 |
| 22 | GST charges 12% of Sub Total-1 | | | | | 12.00 | % | | 260392.00 |
| 23 | Miscellaneous & Rounding off | | | | | | | L/S | 4579.00 |
| | Total Rs | | | | | | | | **2500000.00** |

(Rupees Twenty five Lakhs Only)

**CERTIFICATE:**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.
**5 This work has not been taken previously under any other grant.**

Assistant Engineer
Ward no. 08
Kodigehalli

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatrayanapura Division
BBMP
25/07

**Administrative Approval**
Accorded For Rs: 25.00 lakhs
Head of A/C P1771
CER NO :...88..... Dt:..25.07.19

TA CE (YNK)

**Technical Sanction**
Accorded For 25.00 Lakhs
Head of A/C P1771
CER NO :...68..... Dt:..25.07.19

TA CE (YNK)